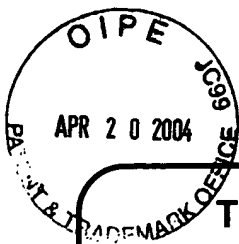


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PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/736,084	
	Filing Date	December 15, 2003	
	First Named Inventor	WALSH, et al.	
	Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	8	Attorney Docket Number	30407.00

**ENCLOSURES (check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>Return Receipt Postcard Stmt Under 37 CFR 3.73(b) Copies of Assignments</b>		
<table border="1"> <tr> <td>Remarks</td> <td></td> </tr> </table>			Remarks	
Remarks				

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Robert E. Pitts
Signature	<i>Robert E. Pitts</i>
Date	4/26/04

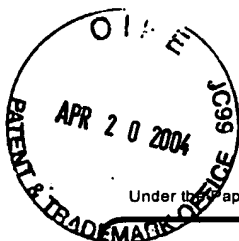
**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Express Mail Number: EV 434140643 US		
Signature		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/82 (06-03)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**REVOCATION OF POWER OF  
ATTORNEY and APPOINTMENT OF  
NEW POWER OF ATTORNEY**

Application Number	10/736,084
Filing Date	12/15/2003
First Named Inventor	WALSH et al.
Art Unit	
Examiner Name	
Attorney Docket Number	30407.00

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners at Customer Number **22465**☐ Please change the correspondence address for the above-identified application to:☒ The address associated with  
Customer Number:**22465**

OR

☐ Firm or  
Individual Name

Address Pitts &amp; Brittian, P.C.

Address P.O. Box 51295

City Knoxville

Country USA

State TN

ZIP 37950-1295

Telephone (865) 584-0105

Fax (865) 584-0104

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Name Jack H. McCall, Secretary, Molecular Technologies, Inc.

Signature 

Date

April 20, 2004

Telephone

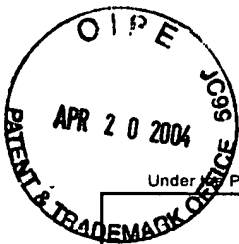
865-218-3820

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Molecular Technologies, Inc.Application No./Patent No.: 10/736,084 Filed/issue Date: 12/15/2003Entitled: Method for Preparing Radiolabeled ThymidineMolecular Technologies, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g. corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

April 20, 2004  
Date  
865-218-3830  
Telephone number

Jack H. McCall  
Typed or printed name  
[Signature]  
Signature  
General Counsel  
Title

## ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

**CTI PET SYSTEMS, INC.**  
810 Innovation Drive  
Knoxville, Tennessee 37932

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in **"METHOD FOR PREPARING RADIOLABELED THYMIDINE"**

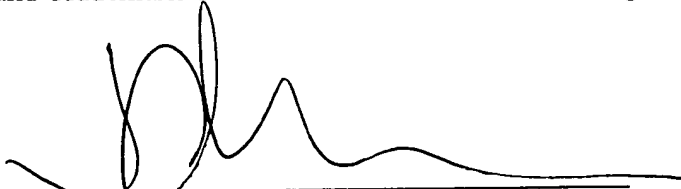
as set forth in this United States Patent Application

- ☒ executed concurrently herewith
- ☐ executed on \_\_\_\_\_
- ☐ Application No. \_\_\_\_\_; filed \_\_\_\_\_
- ☐ Application claims priority from Application No. \_\_\_\_\_, filed \_\_\_\_\_, all applications listed above being hereinafter referred to as the "application(s)";

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

12/12/03  
Date

  
Joseph C. Walsh

STATE OF California )  
COUNTY OF Los Angeles )

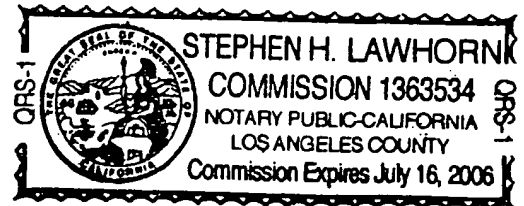
I, STEPHEN H. LAWHORN, a Notary Public for said County and State, do hereby certify that Joseph C. Walsh personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 12<sup>TH</sup> day of DECEMBER, 2003.

(Official Seal)

  
Notary Public

My commission expires: JULY 16, 2006



12/12/03  
Date

Henry C. Padgett  
Henry C. Padgett

STATE OF CALIFORNIA  
COUNTY OF LOS ANGELES

I, STEPHEN H. LAWHORN, a Notary Public for said County and State, do hereby certify that Henry C. Padgett personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 12<sup>TH</sup> day of DECEMBER, 2003.

(Official Seal)

Stephen H. Lawhorn  
Notary Public

My commission expires: JULY 16, 2006

Attorney Docket No. 046242/270382  
CLT01/4623615v1



## **TECHNOLOGY AND PATENT ASSIGNMENT**

**WHEREAS**, CTI PET Systems, Inc., (hereinafter "CPS") having a principal place of business located at 810 Innovation Drive, Knoxville, TN 37932 is the owner of record of certain intellectual property rights as identified in the following patent applications:

1. Method for Making Fluorine Labeled L-DOPA;  
U.S. Patent Application Serial Number 10/742,023; filed 12/19/2003.
2. Method for Preparing Radiolabeled Thymidine;  
U.S. Patent Application Serial Number 10/736,084; filed 12/15/2003.
3. Method for Preparing Radiolabeled Thymidine having Low Chromophoric Byproducts;  
U.S. Patent Application Serial Number 10/736,087; filed 12/15/2003.

(hereinafter collectively and individually referred to as the "Technology");

**WHEREAS**, CPS has become the legal owner of the Technology by assignments executed in error by the inventors thereof, and CPS desires to rectify the error by granting this assignment to the rightful and proper owner of the Technology in order for CPS to become and be totally and completely divested of any and all rights in or to the Technology;

**WHEREAS**, Molecular Technologies, Inc., (hereinafter "MTI"), having an address of 6140 Bristol Parkway, Culver City, CA 90320, is a wholly owned subsidiary of CTI Molecular Imaging, Inc. (hereinafter "CTIMI"), having a principal place of business located at 810 Innovation Drive, Knoxville, TN 37932;

**WHEREAS**, MTI is the rightful and proper owner of the Technology; and

**WHEREAS**, CPS desires to assign to MTI any and all of its rights in the Technology, without reservation of any quantum or kind, in order to rectify the assignments made in error as mentioned above.

**NOW, THEREFORE**, for and in consideration of the sum of Ten Dollars (\$10.00), the receipt and sufficiency of which is hereby acknowledged, as well as the past and present relationship with CTIMI and MTI, CPS does hereby assign, transfer, divest and set over to MTI any, all, and the entire right, title and interest in and to the Technology including any, all, and the entire right, title and interest in and to each and every application for U.S. Letters Patent, application(s) for patent or inventor's certificate in any country deemed foreign or outside of the United States, and further including any and all divisions, continuations, continuations-in-part, reissues, regrants, or counterparts thereof, and each and every Letters Patent of the United States, or other patents and/or inventor's certificates which may be granted therefore, the same to be held and enjoyed by MTI forever hereinafter for its use and benefit, and for the use and benefit

of its successors, assigns, or other legal representatives to the end of the term or terms for which the same is granted, reissued or regranted, and thereafter.

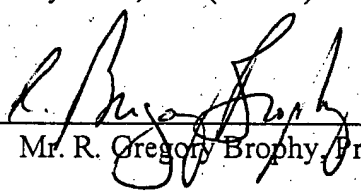
And CPS hereby authorizes and requests the Commissioner of Patents and Trademarks to issue such Letters Patent of the United States on or for the Technology, or resulting from any application therefore including any and all divisions, continuations, continuations-in-part or reissues thereof, to MTI as assignee of the aforementioned entire right, title and interest described and defined herein.

CPS hereby further covenants that it has not previously executed and will not execute any agreement in conflict herewith, and upon request, will execute and deliver any and all papers that may be deemed necessary or desirable to perfect the title and ownership described and defined herein to MTI, its successors, assigns, or other legal representatives without further compensation, but at the legal expense of MTI, its successors, or other legal representatives making the request.

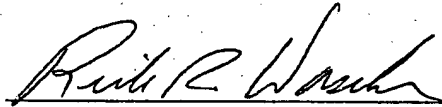
**EXECUTED THIS THE 14th day of April 2004.**

CTI Pet Systems, Inc. ("CPS")

By: \_\_\_\_\_

  
Mr. R. Gregory Brophy, President

Witnessed by:

  
Mr. Rick R. Wascher, Chief IP Counsel for CTIMI